

92 11. (New) A feedback control method according to claim 3, wherein the first weight is identified by a sequential method of least squares.

12. (New) A feedback control method according to claim 3, wherein if the first weight assigned to the one of the plurality of models increases, the second weight assigned to the at least one model that is other than the one of the plurality of models decreases.

REMARKS

Favorable reconsideration of the present application is respectfully requested.

New Claims 11 and 12 have been introduced. Claims 1 and 2 have been withdrawn from consideration. Claims 3-12 remain active in the application.

Initially, Applicants note that the Examiner has not responded to the traversal of the outstanding restriction requirement. Specifically, Applicants had pointed out that a proper search for the classes and subclasses appropriate to Claims 3-10 would also include those classes appropriate for Claims 1 and 2, and so examination of all of the claims would not represent a serious burden on the Office. The examiner has not responded to this traversal and so the withdrawal of the restriction requirement is respectfully solicited.

Claim 3 has been amended to further recite a step of preparing a plurality of models, each of which includes at least a phase delay model and a phase advancement model, and is represented by combining the phase delay model and the phase advancement model. Basis for this can be found beginning at line 10 of page 6 in the specification, and continuing through Table 1 on page 7. Claim 3 further recites a step of specifying the second weight that is assigned to at least one model that is other than the one of the plurality of models, based on the first weight. Basis for this can be found on page 8. Since the first weight specifies the

second weight, there is no need to independently specify the weights of all of the models, and therefore the amount of calculation required can be reduced (page 9, lines 2-5).

Claims 3-6 were rejected under 35 U.S.C. §102 as being anticipated by the U.S. patent to Tascillo et al. However, Applicants respectfully submit that the amended claims define over this reference. Tascillo et al disclose a system for distinguishing and characterizing motor vehicles for control of automatic drivers. As the Examiner has noted, it teaches the use of error feedback for tuning and optimizing control over the vehicle by comparing scheduled speed results to actual speed results. However, there is no description in Tascillo et al of identifying a first weight that is assigned to one of a plurality of models which can be either a phase delay model or a phase advancement model, and specifying a second weight that is assigned to another model based upon the first weight. Applicants therefore respectfully submit that the amended claims define over this reference.

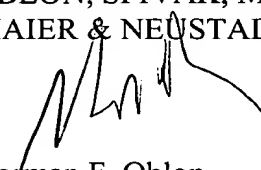
A corrected Figure 1 without the non-English text is being submitted herewith.

Applicants are also submitting an Information Disclosure Statement citing two additional references which had been cited in the prosecution of the corresponding Japanese application. English translation of the relevant portions of the references are also being submitted.

Applicants therefore believe that the present application is in a condition for allowance and respectfully solicit an early Notice of Allowability.

Respectfully requested,

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IN THE CLAIMS

--3. (Amended) A feedback control method comprising:

preparing a plurality of models, each of which includes at least a phase-delay model and a phase advancement model and is represented by combining the phase delay model and the phase advancement model;

[specifying] identifying a first weight that is assigned to one of [a] the plurality of models[, each of which includes a group of parameters];

specifying a second weight that is assigned to at least one model that is other than the one of the plurality of models, based on the first weight [assigned to the one of the plurality of models].--

Claims 11-12 (New).